12/77

The Spark Gap

DECEMBER EDITION

VOL III NO XII

WITKZ WA1AHC

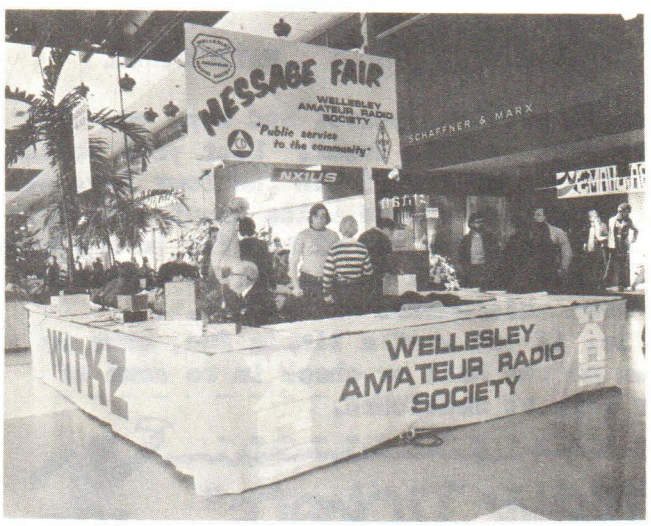
Official Journal of the Wellesley Amateur Radio Society

Since this marks the 12th month of the year it wont be long before the snow will fly and hope if you have any antennas to put up, you have already done so, before the cold weather really sets in. Since it is the last month of the calender year I thought it would be nice to look back on the year and see where we have been.

It was a full year of activities and a lot of fun too. At the January meeting we were shown a film of Joe McGrath, WA1JIR, atop of the 96/36 repeater tower, raising the new antenna to 120 feet which made for better coverage in the grey areas of our repeater. February we heard Bob Beaudet, Pres. Southeastern N. E. DX Assn. talking about the "Rarest of DX" along with his film of operating from an island in the Pacific. In March we heard Ed Tilton, W1HDQ, talk about sun spots and their significance to propogation forecasting. This was followed with a visit from MR 160 Stu Perry who talked on what that band was all about as well as setting up his old Spark Gap. Remember the noise when he 'zapped' that key? W1BB was pretty impressive and I can still smell that ozone from the spark gap. Right on the heels of the Museum of Science Exhibit, we provided communications for Wellesley's annual road race. In May we had our first electronic crossword puzzle in the Gap, created by WA1JIR. We also held our mini-field day on the grounds of Wellesley College. In June we had a VHF DXpedition to N.H. and later went out for field day to Long Island in Boston Harbor. (Cont'd Page 2)

ACTIVITIES

Well gang, this is the time, the Natick Mall Message Fair and here is the dope on the operation. We expect to be operating from 5:30 to 10:00 PM from December 5th through December 9th. On Saturday, DEC. 10th, we will be on the air from 10:00 AM to 10:00 PM. We will be using both 2 mtrs and the low bands to send out our traffic from the Mall. On two meters we will most likely be using 52/52 direct or 96/36 rptr while on the low frequencies we will be on 21,420 Khz as a primary frequency and the other will be 3905Khz. We will be using mainly phone transmissions. If you have some spare time at home and would like to take some of the traffic, check in to let us know you are on frequency. We expect to send out most of our distance traffic on the lower bands for relay into the NTS. (National Traffic System).



In addition to the message center, we will have a film on amateur radio, a few pieces of equipment on display including a Morse Code reader which was built by C.J. McDonald, WB1BUM. We hope to have an information table to answer any questions about ham radio plus the proper signs to identify each area and what it does. It should be a lot of fun, as has been the

MEETINGS THIS MONTH: NONE

SEE YOU AT NATICK MALL DEC. 5 thru 10.

SEASONS GREETINGS FROM THE W.A.R.S.

Intermediate Bldg., Wellesley Hills, Mass.

In July we had no Spark Gap that month but we were active at the Esplanade Concert providing communications with the Middlesex club. We also had a combination picnic-softball game with the Middlesex club in June. In August we more or less took a rest though we did have an executive session to plan the coming years activities. September was the ARRL Convention in Hartford, Ct. October we went for a visit to the ARRL besides providing communications for the Wellesley Veteran's Day Parade. November was a planning month for the big Natick Mall thing and December we were at the Mall doing our thing. I have left out a few other points like the classes we have had running, and the auction of the club, but we hope to see the next calender year be every bit as full of activities for you to participate in. Should you have any kind of an endeavor you would like to see done, PLEASE, let us know about it. Our activities chairman will be happy to consider it.

Activities . NATICK MALL

Base in previous years, and hope you will take part in this event. Last year we had 908 pieces of traffic in the four days we were here and should write about 1300 this year, which is a lot of traffic in any mans book, and it will take a lot of operators to move this amount of traffic.

So, if you want a little fun, come on down to the Mall or check in to some of our nets as mentioned.

"New Tickets"

While it is always nice to give you the names of our new novices, I don't have any this month but would like to send our congratulations to GENERALS John SCHIDE, Ted LEVIN and John BELLANTONI and to ADVANCED, Jim MURPHY, WB1BUR and Dick MAGNANTI WB1BUQ Also Jordan RING is now an EXTRA. His new call is K1UN (ex-WA1HBP). Any other upgrades, please let me know who you are so proper recognition for your feat can be aired in this column.

Nels Anderson, WA1TUH, and Gene Balinsky WA1UXA, both passed their Extra exams. Good going gentlemen and congratulations to all.

QSY PLEASE, de W1TKZ

We are unhappy to notify you fellows that Martha Gauthier, WB1BUU, is now among the Silent Keys.

Martha, after a long bout with leukemia, finally passed on. She had, to my knowledge, two long visits to hospitals and though I visited her there a few times, never once heard her complain. She was a remarkable woman to be sure.

She got her novice ticket through our classes and though she didn't get on the air, she did participate in just about every activity the club held including our field day out on Long Island.

At our 25th club anniversary we thought we had made elaborate plans for our Open House but Martha knew it needed a woman's touch and came up with a beautiful Anniversary cake, fully decorated for the occasion. We had overlooked that but Martha didn't.

Memories like this we will cherish and her absence will be missed.

Harmonics About Town

Jordan Ring, K1UN, ex-WA1HBP, is now the Emergency Coordinator for the town of Needham and is looking for people interested in helping him set up a program there. His telephone number is 444 7464 at home or 482-3271 at business.

"Hoppy" Hopkins, is now living in Marlin Texas. His call is now WB5UJO. Hop used to have WA1UMW until his transfer to that state. If you hear him on the air, give him a shout. If you care to write him, his address is 111 Gift St., Marlin, TX. zip 76661.

Paul Burkhardt, WA1GXN, recently completed a 13 mile walk for the National Federation Of The Blind. His sponsors gave him 31.50 per mile and was pretty good, especially since the walk occurred in a heavy rainstorm.

Tim McNamara, WA1YHU, is home from the hospital after his automobile accident and is on the road to recovery, which we hope is soon.

12/77

The Spark Gap

Official Journal of the Wellesley Amateur Radio Society

EDITOR-IN-CHIEF, JAMES W. HATHERLEY

THE "SPARK GAP" IS A MONTHLY PUBLICATION OF THE WELLESLEY AMATEUR RADIO SOCIETY. ITS SOLE PURPOSE IS TO KEEP ITS MEMBERS ABREAST OF CURRENT HAPPENINGS, F.C.C. RULES & REGULATIONS CHANGES AND TO LIST EQUIPMENT OFFERED FOR SALE OR TRADE BY MEMBERS. MEMBERS ARE ENCOURAGED TO CONTRIBUATE TO THE SPARK GAP AND MAY SEND THEIR ARTICLES (TYPEWRITTEN IF POSSIBLE) TO THE EDITOR-IN-CHIEF OR TO THE CLUB ADDRESS.

THE WELLESLEY AMATEUR RADIO SOCIETY IS A NON-PROFIT ORGANIZATION DEDICATED TO THE PROMOTION OF AMATEUR RADIO THROUGH INSTRUCTION, FELLOWSHIP, DEMONSTRATION AND ENCOURAGED PARTICIPATION. ANNUAL MEMBERSHIP IN THE SOCIETY-$5.00. CLUB YEAR RUNNS FROM SEPTEMBER 1 - JUNE 30. AMATEUR NOVICE AND GENERAL CLASSES ARE CONDUCTED REGULARLY AT NO COST. TO ENROLL IN A CLASS OR GAIN INFORMATION ABOUT THE SOCIETY IN GENERAL, WRITE THE WELLESLEY AMATEUR RADIO SOCIETY,
324 WASHINGTON STREET
WELLESLEY HILLS, MASS 02181

CLEARING THE AIR

Lately, while listening to the chatter on both the 2 meter and lower bands, I have heard a laxity in the proper usage of the English language insofar as some of the hams are beginning to use mild profanity. Since this is now being done in the movies, television, CB channels and wherever, I don't think that we should allow ourselves to get into this habit. My reasoning is this, if we tolerate it, just a little, then it becomes magnified with usage, and before we know it, we will lose control of the great reputation achieved by those who have gone on before us in ham radio.

Profanity, even in its mildest form, doesn't describe what you want to say any better than you could with the proper adjectives in the English.

Therefore, whenever you hear such words being spoken, it wouldn't be a bad idea to pick up the other person on the use of it and I doubt very much if he will feel offended. As long as he "can get away with it", he will continue to do so. But, if

CLEARING THE AIR CON'D...

cautioned, I'm sure he will refrain from using profanity of any type on the air. It is the duty of every ham to help keep our hands clean. Just don't sit back and wait for the other guy to do something about it.

Together we can control it, but if you let such things pass without mention, then I think that we will be regressing rather than progressing in our inforcement of good operating procedures.

OFFICIAL BULLETIN

NR 675 FROM ARRL HQ, OCT. 20, 1977

The FCC has dropped its proposal for a new class E CB Radio Service at 224-225 MHz. In a Public Notice released Oct. 13, 1977, the Commission stated that since the release of the proposal (Docket 19759) in 1973, significant events have occurred which render the original comments and reply comments obsolete. Since 1973 the number of CBers has increased dramatically to 10,406,828: the FCC has formed the personal radio planning group (PRPG) to perform an internal study of personal radio, and the personal use radio advisory Committee (PURAC) to obtain assistance from industry and users; the Commission increased the number of CB channels from 23 to 40; and in April 1977 the PRPG concluded that frequencies other than 220-225 MHz should also be considered for a personal radio service. The Commission said that it would consider the issue of alternate frequencies for personal radio in some future rulemaking. Details Dec. QST AR

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NR 676..... Oct. 27, 1977 bt

The FCC has indicated that due to a large number of No vice examinations expected to be conducted this fall, it intends to strictly enforce the 30-day limit for returning the Novice written exam papers to its office in Gettysburg. Instructors and examiners are advised to mail the examination papers back to Gettysburg well within the 30 day limit to assure that they are received by the FCC within 30 days of the date stamped on the exam envelope. AR

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NR677.....Nov. 3, 1977

ARRL as filed a petition with FCC for reconsideration in Docket 21033. This petition requests that the distinctive

ARRL BULLETINS....CONT'D

WR prefix be retained for repeater stations that the separate licensing of repeater stations be continued, and that more protection be provided for vhf/uhf weak signal operation. Pending action on this petition the new rules go into effect Nov. 4, 1977. Further details will appear in Dec. QST AR

"timeout!"

by Mike Adlerstein, K1FB

Sooner or later most hams are bitten by the 2 meter FM bug. The cure is the purchase of a small box which runs on 12V d.c. and looks disturbingly like a C.B. radio.

How does one choose the right medicine? Should your rig be crystal controlled or synthesized? Should it be 1W or 5W or 10W or 100W? How do you compare receivers by looking at the spec sheets?

Needless to say, the answers to these questions depend upon your operating requirements as they are balanced against cost. For example, if you don't do much travelling, and plan to utilize mostly a few local repeaters, a 12 channel crystal controlled rig would fill the bill. On the other hand, if you plan to buy crystals for all 12 available channels, the overall cost of rig and crystals could be comparable to some available synthesized rigs which will typically offer 400 or more channels. Bear in mind that only a small fraction of these channels will have repeaters on them.

If you plan to use battery power frequently, keep in mind that synthesized rigs often have much higher power consumption than their crystal cousins. Lights and digital displays also contribute greatly to the power consumption.

If you plan to operate within a 15 mile radius of your favorite repeater, 10W output would probably be adequate. If you're a long distance traveller, 25W to 50W would be nice. Rarely is more than 100W required for mobile operations. If you're operating from a base station, you should plan to work DX with the help of a gain antenna (a beam) rather than high power. A gain antenna will also help you receive and won't create unnecessary interference on the channel in unwanted directions.

Receivers? It's tough to compare them

TIMEOUT....CONT'D.....

on paper. Sensitivity is not the only important factor. Selectivity is also important, especially in our electronic jungle urban environment. These factors depend on receiver design. The good words are "crystal filter in the first if"... "helical resonators in the front end", etc. These goodies cost money. So it's best to ask around to find what's best for you. Remember there is a good market for inexpensive used 2 meter rigs and you can always spend more money later on.

Anyway, if the bug is still biting and the above medicine isn't strong enough, take two aspirins and call me in the morning.

.....73, de Mike, K1FB

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LATE ARRL BULLETIN:

NR 678 from ARRL, Nov.11, 1977

Superseding the information of ARRL Official Bulletin NR 677 dated Nov. 3, 1977, the FCC has delayed implementation of the new repeater regulations scheduled to go into effect on Nov. 4, 1977. Many parties, including the ARRL, filed petitions for reconsideration in Docket 21033, and pending FCC action on those petitions the old rules will remain in force. In particular, the proposed new repeater subbands, and technician segment 144.5 to 145 MHz, are not yet available for use. Also, mobile and portable auxiliary-link operation is not authorized. There is still a freeze on the filing of applications for new repeater, auxiliary link and control stations, but applications for modifications and renewals of these stations will be processed. AR

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Hereabouts... from QST...

"Grandfather" credit (Washington Mailbox, May and Sept. 1977) will no longer be given by FCC after March 1, 1978. Pre-May 1917 licensees wanting credit for Extra under provisions in 97.25(c) must achieve General and apply before that date.

Recent FCC busts of Illegal Ops in the "hf band" between 10 and 11 meters have yielded some amateur as well as CB violators. Those caught could possibly los every radio license held; amateur, CB or others. Be sure to encourage all new hams to be sure of their legal frequencies.

12/77

ELECTRONIC EXCHANGE

FOR SALE: Heathkit Apache transmitter, ssb adapter and receiver. Call Nels, WA1TUH, at 757 9308 or write him at 17 Dean St., Worcester, Ma. 01609.

WANTED: Novice belatedly setting up station needs reasonably priced receiver and transmitter. Call Tzvi WB1BUW 566-6549.

Looking for 2 meter walkie, preferrably Drake tr22 or TR33C. Call Farrel Woods, WB1ELQ, 235 1901.

FOR SALE: Microphone D-104 Astatic with push to talk stand. $25.00. Call Mike, K1FB at 235 1130.

"The Decoder"

NAVMARCORMARS

Are you a Novice itching to get on to phone? Are you an Expert tired of handling CW traffic only within the USA? Are you an Advanced, bored with rag-chewing with the same old net on 75 meters?

Would you like to work phone patch to Antarctica? How about delivering traffic in the Mass/Rhode Island area from Diego Garcia and the Philippines? Send messages from loved ones to service men and women on Okinawa or in Japan?

The Navy Marine Corps Military Affiliate Radio System exists to give persons with an amateur FCC license a chance to get the training and experience needed to support and assist in the Communications of the Navy and Marine Corps in time of National Emergency. To that end Navy-Marine Corps MARS delivers traffic literally world-wide to and from members of the American Armed Forces and to Federal Government employees on a purely voluntary

basis. It also conducts training programs on the air and by correspondence in all phases of electronic communications, toward its mission. The members are all unpaid civilians, with a very small group of Regular Navy and Marine Corps providing the minimum of necessary administrative support-coordination with Regular Communications, records of qualifications, issue of surplus Navy and Marine Corps electronic equipment for MARS use, and maintenance of the very high Regular standards in procedure, traffic handling, and personal qualifications.

For training purposes, traffic is passed by SSB, CW, TTY, SSTV, FACSIMILE, PHONE PATCH, etc., on frequencies largely just beyond the edges of the Amateur bands and with powers well within the capabilities of Amateur equipment. Nearly all Amateur equipment is adequate for some MARS work.

Any holder of an FCC Amateur License of any class, including Novice, is eligible to apply for membership and operation on all MARS modes and frequencies, including SSB (voice), in fact, much of the traffic is distributed to its local destination by voice, even though it comes from overseas largely by TTY at 100 words per minute.

As the Marine Corps says: "We are looking for a few good men" and women. But you must expect to serve a trial period of three months before being granted permanent membership. You are also required to participate for at least 18 hours on the air each 3 months, as a member of MARS.

Amateurs seriously interested in joining this elite group operating for the public benefit in accordance with the highest standards, should contact Bob Woodbury, K1ZL. Phone is (617) 785-1423, who will be happy to have you visit his station in Dover to see this world-wide traffic being passed.

de Bob Woodbury, K1ZL....

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NOTICE: At our last meeting several of our members left their names and call signs so we could make out name plates for $2.00, or $2.50 if you wanted the club letters on the badge too. Anyway, the list was lost or misplaced, so if you will notify us that you want these plaques, let us know so we can add you to the new list. Sorry about this little inconvenience.

ACTIVITIES

As previously noted in a previous edition, we have the club station operational for those who would like to go up and do some operating. We still need a control operator for Wednesday evening in order to supervise that session so volunteers, pls come forward. The hours of the station are 7:30 to 10:00 PM in the evening. If you arrive at the club but find the door locked, there is a bell on the right side of the door which will alert someone to let you in. Bring your membership card with you.

Due to the Natick Mall Activity from December 5 through 10, the club station will be closed during this time as the control operators will be busy at the Mall.

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The Novice Net (WARS NN) meets on Sunday nights at 8:30 P.M. on 21,120 KHz. It is a combination traffic and qso type net under the supervision of a net control station. Here you can send out formal traffic or just have a rag-chew plus we will send out club bulletins on this net from time to time. The code speed will be as fast as the slowest check-in so don't feel that you can't send fast enough. It is by checking in (QNI) that you will be able to up your speed in cw. We do use "Q" signals to cut down the unecessary long explanatory transmissions so it is a good idea to pick up a copy of the "QN" series "Q" signals at the club in order to know what the Net Station(NCS) is telling you. So far we have heard WB1BUS, WA1TAK WA1YOJ, WB1BUQ, WB1ECE, W1TKZ, WA1TBY, WA1PQY, WA1YAU,WA1WDF and a few others I can't recall at the present time. We are looking forward to some new check-ins.

There is also the Eastern Mass/Rhode Island Slow Speed net that meets daily on 3715 KHz for those who would like to get more experience in traffic handling. The time is 6:15 P.M.

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Through the coming winter months, if it is a stormy night, the club station may not be open due to dangerous travelling conditions. If you plan to come to the club, please use discretion.

Dues Dues Dues...

We haven't mentioned this subject for a while and I don't want to hound you on it but did want to notify you who haven't sent in their renewal dues, will be dropped from the mailing list of the Spark Gap after this December edition. This is in the by-laws of the club's constitution so, if you have forgotten to send in your dues, please do so without delay. Thanks...de WA1TBY

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ARRL MEMBERSHIP.....

If your membership to ARRL is coming due, please renew through the club by send-in your check for $12.00 made payable to the Wellesley Amateur Radio Society and we in turn, will send our check to the ARRL and earn $1.50 for the club treasury. You may also be thinking of buying a subscription as an Xmas gift. If so, use the same proceedure except tell us who you wish to send it to,plus their call sign, if any.

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MORE BULLETINS FROM THE ARRL.....

Special Bulletin NR 118 to all Radio Amateurs Nov. 11, 1977 BT

The Republic of Ghana and the United States have agreed to permit the handling of messages or other communications on behalf of third parties. Messages must not be important enough to be sent by commercial channels and neither operator may have any pecuniary interest in the traffic. The agreement became effective November 4, 1977 BT AR

Official Bulletin NR 678....Nov. 10, 1977.

Superseding the information of ARRL Official Bulletin NR 677 dated Nov. 3, the FCC has delayed implementation of the new repeater regulations scheduled to go into effect on November 4, 1977. Many parties, including the ARRL, filed petitions for reconsideration in Docket 21033, and pending FCC action on those petitions, the old rules will remain in force. In particular, the proposed new repater subbands, and technician segment 144.5 to 145 MHz, are not yet available for use. Also, mobile and portable auxiliary link operation is not authorized. There is still a freeze on the filing of applications for new repeater, auxiliary link and control stations, but applications for modifications and renewals of these stations will be processed. AR

12/77

profiles

by Pete Spotts

Meet David Goldman, WA1YSW. David lives here in Wellesley with his wife Karen and their two children, Dean, 17 and Diane who is 12 years old.

David was born in Boston in July of '34' but moved to Brookline where he went to school, graduating in the class of 1952. From here he went off to M.I.T., majoring in electronical engineering, and graduated in the class of 1956. He returned for one more year and got his Masters Degree.

David had been interested in communications since a young boy. It was while at M.I.T. that he got interested in amateur radio in the form of slo-scan TV. He also worked the radio teletype at the club station. He got his first ticket in 1953.

After graduation, he worked for Dian Controls, Inc., in Dorchester where he stayed for 12 years. Then he took a position

with Computer-Link Corp. in Burlington, where, after nine years, worked up to the Vice-President of Engineering for his firm. What an achievement for this young man. His company manufactures computer periphal equipment. David has been interested in computers since 1950 and worked on some of the earliest models.

He moved to Wellesley from Framingham four years ago and joined the club at the me, probably due to the fact that Walt Lenk, K1YTY and Don Scully, WA1HRY, one of the club's original members, got him interested in the club.

PROFILES.....CONTD.....

He doesn't have any low band equipment but does frequent the 2 mtr bands using his pocket sized walkie two channel job or his Trio 7200 transceiver for mobile operation. He has been a member of the Framingham Repeater for a few years too.

David has been an asset to the club. We have seen him donating his time at the Natick Mall, field day and other club activities over the years, and is now doing his second term as a teacher of our General Classes at the club. He regards this as a gratifying experience to see the novice improve his status in ham radio. As busy a guy as he is, (and equally as quiet) he has seldom turned down an opportunity to do his part for the club. We all thank you, David Goldman.

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The year was 1963. Some of the best skeet shooters in Massachusetts were competing for the Class E State Skeet Championship. Among them was a trim, dark-haired man from Medford. When his turn to shoot came, he calmly stepped up to the firing line. The first shots exploded from his shotgun, demolishing the elusive clay-pigeons. By the time the last shell ejected from his shotgun, Dick Magnanti had captured the Class E title.

Dick, WB1BUQ, who's been a member of the Wellesley Amateur Radio Society for more than a year, was born in Medford, Mass. He attended Lincoln Elementary and Jr. High School, then Medford Vocational High School.

PROFILES.....CONT'D.....

Dick also was a Boy Scout. By the time he was 13, he had attained Eagle Scout-the youngest on record at that time.

At Medford Vocational, Dick first studied electronics. "But I saw no future in it," he says, so instead he trained as an electrician. In retrospect, Dick admits that it's rather ironic that he gave up electronics, only to find himself up to his ears in it years later as an Advanced license holder.

During World War II, Dick served on a communications ship, the U.S.S. Adirondack. After his discharge in 1946, he took up electrical contracting.

His expertise as an electrician was tapped last year when the Wellesley Amateur Radio Society established a club station at its meeting house. Dick helped rewire the clubroom so that it would meet the demands of an active club station.

Dick received his Novice license in December, 1976. He was a graduate of one of the WARS Novice courses. From there, Dick worked his way up to Technician in March, 1977, General in May, and by November, he nailed down his advanced ticket. He doesn't plan to stop here either and is already into his studies for his Extra.

Dick's equipment consists of a National NCX-500 transceiver, and a Drake TR33C two meter transceiver. Recently, his equipment has been upgraded in a roundabout way to include the club's Collins rig, Heathkit linear, and assorted other odds-n-ends-Dick is the club's Control Operator for a Day on Monday nights.

Dick is married and has six children, one of whom is married. Dick and his wife Anna, have been married for 27 years.

Although "Deadeye" Dick hasn't done much skeet or trap shooting in awhile, he does enjoy golf and skiing. And he has been known to haunt a local gumnasium for workouts, "just to keep in shape," he says. Perhaps it's this bend toward sports that leads "Deadeye" to use the phonetics, "Whiskey Bravo One Busted Up Quarterback."

Busted up or not, Dick's spirit and enthusiasm for the W.A.R.S., and for amateur radio in general, make him an asset to the club. AR...de Pete Spotts, WB1BUP

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LATE HEARABOUTS.....

Just before the deadline of information for the Gap, we got word that Scott Nacey, WA1YOJ, passed his Advanced exam and we wish to extend our congratulations.

Walter Lenk, K1YTY, now has a Yaesu FT101E rig. Walter had sold off his low band gear in favor of 2 meters but got the bug back to work some of that 10 meter DX that has been coming through lately. Good luck with your new rig Walt.

In future issues we hope to have a column on DXing and perhaps some of the little ins and outs of how to get through to one of those rare countries. Bob Rudko W1HSS, has consented to start this column. This, I feel sure, will be of interest to many of our guys and gals.

If you have any ideas of how we can improve on the Gap with various articles or projects, please let us know of them.

Once again the time has come to say 73 so once more, from all of us to all of you the very best of the SEASONS GREETINGS and if we don't see you at the Mall, we will look forward to seeing you at the first meeting in January which will be the 5th We hope Santa was good to all of you.

Jim Hatherley, WA1TBY
Editor

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The Worcester Polytechnic Institute Wireless Assn, W1YK, is holding a message fair at the Worcester Mall on Dec. 3rd. They will be on 3902 KHz from 10:00 AM to 9:30 PM. If you can help them move some of the traffic, it would be appreciated.

This group will also be helping us to receive outgoing traffic from the Natick Mall.

A few members of this group are also members of W.A.R.S. namely, Nels Anderson, WA1TUH, Gene Balinski, WA1UXA and a former member, Jim Idelson, K1IR.

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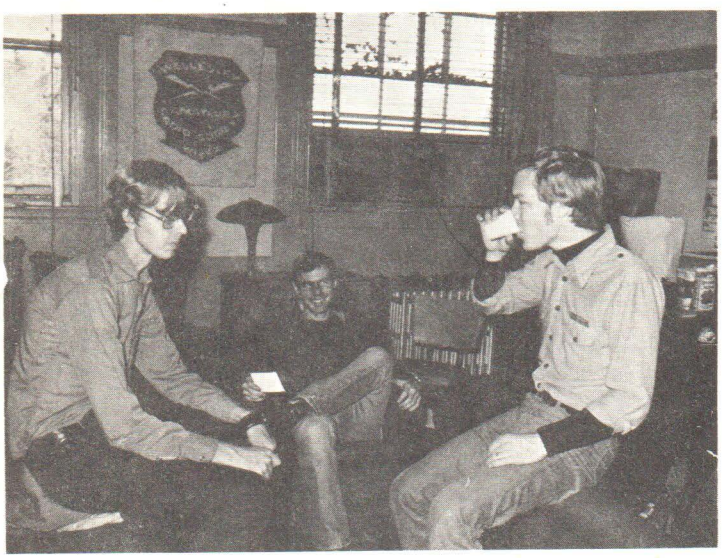
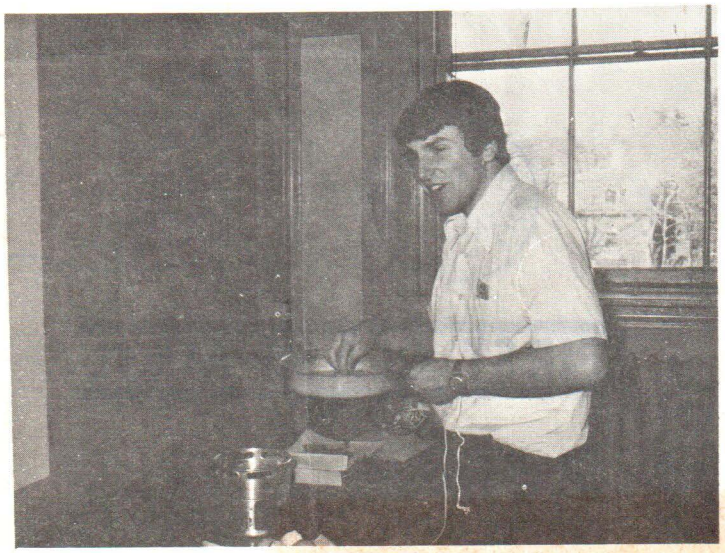
NEEDED: Information of any upcoming hamfests or auctions for republication in this paper.

12/77



QSO PARTY SCENES



MEMBERSHIP LIST

CALL	FIRST	LAST	STREET ADDRESS	CITY/TOWN	STATE	ZPCDE	PHONE #
K1FB	MICHAEL	ADLERSTEIN	24 BUBOLINK RD	WELLESLEY	MA	02181	235-1130
WB1CTZ	EVELYN M	ADLERSTEIN	24 BUBOLINK RD	WELLESLEY	MA	02181	235-1130
WA1TKD	HAROLD	ALMAN	2 MERYL ST	MEDWAY	MA	02053	533-8904
WA1TUH	NELS	ANDERSON	17 DEAN ST	WORCESTER	MA	01609	757-9301
WB1FEE	GEORGE E	ANDREWS	291 NEHOIDEN ST	NEEDHAM	MA	02192	444-3808
WB1FCP	ANTHONY	BADESSA	121 BURGESS AVE	WESTWOOD	MA	02090	769-3023
WB1FGG	ANTHONY	BADESSA JR	121 BURGESS AVE	WESTWOOD	MA	02090	769-3023
N1ER	EUGENE	BALINSKI	25 WALNUT ST	NAUGATUCK	CN		753-3392
WA1SVN	HANRY	BARNETT	1 WOODSTOCK AVE	BRIGHTON	MA	02146	566-1963
	LAURENCE	BECK	1008 RIVER ST	HYDE PARK	MA	02136	364-1143
	EUGENE G	BEHRENS	64 PINE ST	MEDFIELD	MA	02052	359-4240
WB1ALZ	JOHN	BELLANTONI	9 ROBINHOOD RD	NATICK	MA	01760	655-4136
K1AW	SID	BENNETT	45 ORCHARD AVE	WABAN	MA	02168	527-2377
WA1ZMD	BERNARD	BETTINELLI	3 62 HOLWORTHY ST	CAMBRIDGE	MA	02138	876-2318
WA1YKB	BERNARD	BETTINELLI	62 HOLWORTHY ST	CAMBRIDGE	MA	02138	876-2318
WA1WKR	NORRIS	BOND	124 BENVENUE ST	WELLESLEY	MA	02181	235-9226
K1GFH	JOSEPH	BONROW	38 JARVIS CIRCLE	NEEDHAM	MA	02192	449-2540
WB1DQR	FRED	BRACK	19 WESTLAKE RD	NATICK	MA	01760	653-3986
WB1DHJ	TOM	BRAZELTON	23 HAWTHORN ST	CAMBRIDGE	MA	02138	876-7525
WB1BVN	GLENN	BRODIE	245 COMMONWEALTH AVE	WAYLAND	MA	01778	655-5744
WB1ECJ	NINA	BRODIE	245 COMMONWEALTH AVE	WAYLAND	MA	01778	655-5744
K1VFY	HOWARD J	BROWN JR	30 GREYSTONE RD	DOVER	MA	02030	785-1999
WA1GXN	PAUL	BUKHARDT	560 A N. MAIN ST	LEOMINSTER	MA	01453	534-4323
WB1ANM	HANRY	BURTMAN	58 UNION ST	STOUGHTON	MA	02072	
WA1DMC	MARSHALL	CANNELL	25 SHERIDAN RD	WELLESLEY	MA	02181	237-0055
WB1ALT	BRIAN	CARAMANICA	80 FISKE AVE	WALTHAM	MA	02154	899-8014
WA1WTO	JOHN	CARR	244 COREY ST	W. ROXBURY	MA	02132	327-7933
WB1ECA	DENISE	CAYON	71 WALSH ST	MEDFORD	MA	02155	395-0813
WA1GBF	CHARLES	CHABOT	11 TRINITY COURT	WELLESLEY	MA	02181	235-1012
WA1WER	JOHN	CHAPMAN	5 BROOK RD	DOVER	MA	02030	785-1396
WA1HVS	DONALD	CHESLEY	5 PINE RIDGE RD	NATICK	MA	01760	655-5211
WA1TAL	CHERYL	CHESLEY	5 PINE RIDGE RD	NATICK	MA	01760	655-5211
WB1BYK	LUELLA	CHESLEY	5 PINE RIDGE RD	NATICK	MA	01760	655-5211
	GRACE	COLEMAN	86 HARVARD AVE	BROOKLINE	MA	02146	734-7493
WA1UMX	DAVID	CROCKFORD	12 KEANE RD	NATICK	MA	01760	653-1838
WA1TAK	DAVID	CURRY	1 BANCROFT RD	WELLESLEY	MA	02181	237-2450
WB1BUS	ANTHONY	DECICCO	22 SAWIN ST	WATERTOWN	MA	02172	491-1554
WA1VWC	RUSSELL	DESJOURDY	8 LOWER JONES RD	HOPEDALE	MA	01747	473-8348
WA1DPAY		DICK	84 FONTAINE ST	MARLBOROUGH	MA	01752	481-3490
K1PDX	SAUL	DINMAN	27 ALDEN RD	WAYLAND	MA	01778	358-2319
WA1PQY	WILLIAM	DOWNING	90 ARNOLD RD	WELLESLEY	MA	02181	235-4484
WA1YOL	DALE C	EDDY	WOLFELLEN RD	BROOKLYN	CN	06234	774-2698
WA1EVD	BILL	EMERSON	115 WESTGATE	WELLESLEY	MA	02181	235-8086
	RICHARD	ENRIGHT	189 NORTH AVE	WESTON	MA	02193	894-7674
WB1ECU	WILLIAM	FANNON	31 SYLVESTER RD	NATICK	MA	01760	653-2118
	DAVID	FARRINGTON	BOX 601 HARVARD RD	SHIRLEY	MA	01464	425-9615
K1LF	LUDWIG	FASOLINO	34 PINE PLAIN RD	WELLESLEY	MA	02181	237-0316
WB1ECF	JOSEPH	FITZPATRICK	74 BROOKFIELD CIR	FRAMINGHAM	MA	01701	877-0566
WA1WDJ	PETER	FOLEY	FRANCIS RD	WELLESLEY	MA	02181	
WB1FCZ	EDWARD P	GALLAGHER	47 BEAUFORT AVE	NEEDHAM	MA	02192	449-1718
WA1NZF	BILL	GALLANT	28 GREENWICH PK	BOSTON	MA	02118	267-1490
WB1BVA	FRANCES	GAMFIELD	DOPPINGBROOK RD	SHERBORN	MA		655-6033
WB1BUZ	JOSEPH	GAMFIELD	DOPPINGBROOK RD	SHERBORN	MA		655-6033
	ROBERT	GEFFEN	43 PILGRIM RD	NATICK	MA	01760	653-8877
W1MIJ	CARL	GEITER	58 FELCH RD	NATICK	MA	01760	655-0142
W1YSW	DAVID G.	GOLDMAN	26 PRISCILLA CIRCLE	WELLESLEY	MA	02181	235-8659
W1UQP	ALBERT	GRAF	391 WORCESTER RD	WELLESLEY	MA	02181	235-1538
WB1ECE	THEODORE	GRUBER	11 ELIOT CIR	ASHLAND	MA	01721	881-3786
W1JMA	NATHAN	HALLENSTEIN	5 BLUEBIRD RD	WELLESLEY	MA	02181	237-8572
WB1FCU	WILLIAM	HANLON	49 VINE ST	WRENTHAM	MA	02093	384-8056
WA1UMQ	DOUG	HART	11 SOUTHGATE RD	WELLESLEY	MA	02181	237-3315
WA1TBY	JIM	HATHERLEY	46 HUDSON ST	BRIGHTON	MA	02135	254-6042
WB1EBV	CHARLES	HEALEY	43 BEECH ST	DEDHAM	MA	02026	329-1719
WB1FCW	MADELINE	HEINE	264 WASHINGTON ST	WELLESLEY	MA	02181	235-1120
WB1FCX	LAWRENCE	HEINE	264 WASHINGTON ST	WELLESLEY	MA	02181	235-1120
WA1ZXR	DONALD	JACOBSON	64 MCLEAN ST	WELLESLEY	MA	02181	237-0553
WB1ELD	ALAN H	JACOBSON	64 MCLEAN ST	WELLESLEY	MA	02181	237-0553
WD4DTC	EDWARD	JAMSSON	1130 WILLOWBROOK TRL	MAITLAND	FL	35721	
WA1YHT	CHAD	JOHNSON	90 HUNDREDS RD	WELLESLEY	MA	02181	235-5114
WA1YHQ	TOM	KAPLAN	30 OAKRIDGE RD	WELLESLEY	MA	02181	235-8386
WA1YHV	KEVIN	KELLY	7 LAWNWOOD PL	CHARLESTOWN	MA	02129	242-0341
WA1TAM	GORDON	KINGSLEY	30 BANCROFT RD	WELLESLEY	MA	02181	235-5018
WA1ZRH	DAVID	KIRSCHEN	8 WESTVIEW RD	FRAMINGHAM	MA	01701	877-1497
WA1SCS	ALLAN	KUONG	32 CU U S NAVAL ACAD	ANNAPOLIS	MD	21412	
WB1BUW	TZVI	LANGERMANN	86 GREENOUGH ST	BROOKLINE	MA	02146	566-6549
WA1ZTB	JOEL	LAZEWATSKY	33 BISHOP DR	FRAMINGHAM	MA	01701	879-3408
K1YTY	WALTER	LENK	22 PRISCILLA CIRCLE	WELLESLEY	MA	02181	237-9489
WB1CFC	THEODORE	LEVIN	66 PLEASANT ST	NEWTON CNTRE	MA	02159	332-1427
WB1ECK	CARLISLE	LEVINE	1921 COMMONWEALTH AV	AUBURNDALE	MA	02166	244-3818
K1NDF	NEIL	LIPSON	51 PRATT DRIVE	W. NEWTON	MA	02165	527-7731
WA2EHV	GREG	LIVINGSTON	35 MANNING ST	MEDFORD	MA	02155	396-4397
	FELIX	LOSCO	15 MOORE ST	NATICK	MA	01760	655-6922
WA1UMY	SCOTT	LYDEN	46 CLIFF RD	WELLESLEY	MA	02181	235-3351
	SAMUEL E	MACDONALD	29 HASTINGS RD	BELMONT	MA	02178	484-2604
WB1BUT	DALE	MACKAY	15 MAPLE RD	WELLESLEY	MA	02181	235-9541
WB1BUQ	RICHARD	MAGNANTI	80 KINGSBURY ST	WELLESLEY	MA	02181	235-6371
	BERNIE	MAY	36 OAKRIDGE RD	NATICK	MA	01760	653-1018
WB1EBW	DENNIS T	MCDONALD	48 HALE ST	NEWTON	MA	02164	332-6091
WB1BUM	CHARLES	MCDONALD	48 HALE ST	NEWTON	MA	02164	332-6091
	JOHN	MCGLINCHEY	4 EARLE RD	WELLESLEY	MA	02181	235-4274
WA1JIR	JOSEPH	MCGRATH	32C QUINCY PL	HOLLISTON	MA	01746	429-6527
WB1ACC	JAMES	MCGRATH	41 PARADISE LN	DEDHAM	MA	02026	361-1167
WB1ACD	MAUREEN	MCGRATH	41 PARADISE LN	DEDHAM	MA	02026	361-1167
	STEPHEN	MCHALE	5 MARTIN RD	WELLESLEY	MA	02181	235-9144
WA1YHU	TIMOTHY	MCNAMARA	CHESTNUT ST	MILLVILLE	MA	01529	883-6128
WA1WDE	JOHN	MCREYNOLDS	12 TAPPAN RD	WELLESLEY	MA	02181	237-0694
	HARVEY	MORRIS	82 HUNLEY CIRCLE	MARLBORO	MA	01752	485-0806
WB1BUR	JIM	MURPHY	45 ELIOT RD	REVERE	MA	02151	289-0769
WA1YOJ	SCOTT	NACEY	29 FOREST ST	WELLESLEY	MA	02181	235-1599
	RICHARD	NICHOLS	33 WOODLAND ST	NATICK	MA	01760	653-0505
WA1LJB	BOB	NOVACK	82 STEDMAN ST	BROOKLINE	MA	02146	277-5859
WB1BUY	JAMES	NOVAKOFF	200 GARDNER RD	BROOKLINE	MA	02146	277-0493
WA1TWK	KARI	NUWAYSER	25 INGRAHAM RD	WELLESLEY	MA	02181	237-5367
W1MIC	JAMES	OCONNOR	84 PRINCE ST	NEEDHAM	MA	02192	449-1936
WB1ECB	WILLIAM	OPALKA	361 CHARLES ST	MALDEN	MA	02148	324-5144
	NEIL	ORENSTEIN	11 PARK LANE	NEWTON CTR	MA	02159	244-3664
WA5JTP	ALAN	PAILET	2 HAWTHORNE PL	BOSTON	MA	02114	227-2203
WA1ZLQ	RICHARD	PAKET	35 PHILLIPS AVE	NORWOOD	MA	02062	762-5074
WB1ECR	EDWARD C	PAVONE	61 HAWTHORNE ST	BELMONT	MA	02178	484-5659
	GEORGE	PENNACHIO	437 PARKER ST	NEWTON CTR	MA	02159	332-2890
K1PRB	JOHN B.	PORTER	49 SUFFOLK RD	WELLESLEY	MA	02181	235-8476
WB1DZX	MAURICIO	PUENTE	21 PARK PLACE	NEWTONVILLE	MA	02160	244-1577
WA1SXU	PAUL L.	RANDAZZO	TURNBUCKLE LANE	TYNGSBORO	MA		649-9262
WA1WDD	ERIC	RASMUSSEN	79 DONAZETTE ST	WELLESLEY	MA	02181	237-9145
WA1VHX	ROY	REHBEIN	1 CUTLER ST	HOPEDALE	MA		
WB1BUN	THOMAS	RILEY	50 HALE ST	NEWTON	MA	02164	244-3239
K1UN	JORDAN	RING	16 WHITE PINE RD	NEEDHAM	MA	02192	444-7464
WA1WTN	JOSEPH	RING	8 CRESCENT ST	WELLESLEY	MA	02181	237-2320
WB1ECL	TED	ROBERTSON	28A CHERRY ST	SOMERVILLE	MA	02144	666-9378
W1HSS	BOB	RUDKO	4 SHORT RD	HOLLISTON	MA	01746	429-4082
WA1ZLN	RICHARD	RUGGIERO	11 AVON STREET	NATICK	MA	01760	655-1928
HK4BVE	ADOLFO	SALDARRIAGA	30 GREYLOCK RD	WELLESLEY	MA	02181	237-0473
	JOE	SAVENOR	15 MEREDITH CIR	NEEDHAM	MA	02192	449-1160
WB1BUV	JOHN	SCHIDE	5 HUDSON RD	NATICK	MA	01760	653-0692
WA1HYN	EDWARD	SHEKLETON	18B VAN KLEEK	MILLIS	MA		376-8663
N1CW	KAY	SHOUP	13 ROYAL CREST DR	MARLBORO	MA	01752	481-6305
WB1BTT	JOSHUA	SLAVITT	49 BETTS RD	BELMONT	MA	02178	484-8387
WB1BVB	GEORGE	SLINE	395 WESTON RD	WELLESLEY	MA	02181	235-5244
	DAVID C	SMITH	20 THATCHER BROOK CR	ATTLEBORO	MA	02703	
W1EOA	ROGER P.	SMITH	7 BERKELEY RD	WELLESLEY	MA	02181	235-6239
K1BSO	DAVID	SMITH	35 KINGSWOOD RD	AUBURNDALE	MA	02166	965-2463
WB1EJD	ROBERT C	SMITH JR	36 MAIN ST	SOMERVILLE	MA	02145	776-0672
WB1BVF	RANDALL	SNEIDER	18 SEVLAND RD	NEWTON	MA	02159	964-0922
WA1ZTO	LES	SPAULDING	14 MADISON AVE	NEWTON	MA	02160	
WB1BUP	PETER N	SPOTTS	ST. GERMAIN ST	BOSTON	MA	02115	262-1595
W1UHN	JOHN L	SULLIVAN	HOWARD COURT	WOBURN	MA	01801	935-5316
	LAWRENCE	SULLIVAN	HOWARD COURT	WOBURN	MA	01801	935-5316
K1SOP	NED	SWARTZ	44 WILLIAMS RD	LEXINGTON	MA	02173	861-1710
WA1WWY	MICHAEL	TAKICANO	21 NATHAN RD	NEWTON CTR	MA	02159	244-1906
K1OGF	ERIK J	THORESEN	28 LOOKOUT AVE	NATICK	MA	01760	653-1216
WB1EBX	JOHN	TROISI	4 VALLEY ST	MEDFORD	MA	02155	391-5167
WA1ZLO	JOHN	TURELL	18 CLEVELAND RD	WELLESLEY	MA	02181	235-6742
WB1DIH	DAVE	VALENCE	29 NORTHGATE RD	WELLESLEY	MA	02181	237-3784
WA1WDF	MATTHEW	VARTANIAN	10 CARPENTER RD	WAYLAND	MA	01778	655-1962
WA1WDG	SARKIS	VARTANIAN	10 CARPENTER RD	WAYLAND	MA	01778	655-1962
WB1AJA	BRUNO	VASIL	58 BRADEEN ST	ROSLINDALE	MA	02131	327-0981
WB1ACF	BRUNO	VASIL JR	58 BRADEEN ST	ROSLINDALE	MA	02131	327-0981
WB1FCY	KENNETH	VEZNAIAN	185 FELLSWAY WEST	MEDFORD	MA	02155	395-5959
WB1BVC	STANLEY	WAUGH	20 BERNARD RD	WELLESLEY	MA	02181	237-9856
WA1MRV	RICHARD	WEISSEL	39 MACARTHUR RD	NATICK	MA	01760	655-2366
WA1RGA	CHRIS	WILES	10 LANCH RD	WELLESLEY	MA	02181	235-9095
WA1RSV	ROGER	WILMARTH	10 ROBERTS RD	WELLESLEY	MA	02181	235-6783
K1ZL	ROBERT	WOODBURY	12 MEADOWBROOK RD	DOVER	MA	02030	785-1423
WB1ELQ	FARRELL	WOODS	1 HICKORY RD	WELLESLEY	MA	02181	235-1901
WB1ECX	DENYS	WORTMAN	168 BISHOP DR	FRAMINGHAM	MA	01701	873-9583
W1MXI	ROBERT D	YOUNG	83 OAK AVE	BELMONT	MA	02178	484-0950
WA1YAU	GEORGE	YOUNG	375 WORCESTER RD	WELLESLEY	MA	02181	237-2082
WA1TUX	ANDREW	ZIMBLER	38 PEMBROKE RD	WELLESLEY	MA	02181	237-6245

TOTAL EXTRA CLASS MEMBERS	11
TOTAL ADVANCED CLASS MEMBERS	20
TOTAL GENERAL CLASS MEMBERS	36
TOTAL TECHNICIAN CLASS MEMBERS	14
TOTAL NOVICE CLASS MEMBERS	59
TOTAL ALL OTHER MEMBERS	18
TOTAL MEMBERSHIP	158

The Spark Gap

WELLESLEY AMATEUR RADIO SOCIETY

324 Washington Street
Wellesley Hills, Massachusetts 02181

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